

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1-10. (Canceled)
11. (Previously presented) A marking composition, comprising:
a polymer first material comprising silicon;
a second material capable of extending polymeric chains of the first material; and
a blocked, catalytic crosslinking agent,
wherein the marking composition is capable of undergoing a change that can be detected
optically when the composition is contacted with energy.
12. (Original) The composition of claim 11, wherein the blocked crosslinking agent
comprises a carbamate.
13. (Canceled)
14. (Canceled)
15. (Previously presented) A marking composition, comprising:
a polymer first material comprising silicon;
a second material capable of extending polymeric chains of the first material; and
an optical tag,
wherein the marking composition is capable of undergoing a change that can be detected
optically when the composition is contacted with energy.
16. (Previously presented) A marking composition, comprising:
a polymer silicone resin; and
a blocked, catalytic crosslinking agent capable of crosslinking with the resin,
wherein the marking composition is capable of undergoing a change that can be detected
optically when the composition is contacted with energy.
17. (Canceled)

18. (Original) The composition of claim 16, wherein the resin comprises a combined aromatic and aliphatic substituted silicone resin.

19. (Original) The composition of claim 16, wherein the resin comprises a phenyl methyl silicone resin.

20-22. (Canceled)

23. (Previously presented) The composition of claim 16, wherein the crosslinking agent comprises a carbamate.

24. (Original) The composition of claim 16, further comprising a catalyst.

25. (Original) The composition of claim 24, wherein the catalyst is selected from a group consisting of platinum-based catalyst and zinc-based catalyst.

26. (Previously presented) The composition of claim 16, comprising about 10 to about 90 percent of the resin; and about 0.1 to about 9 percent of the crosslinking agent.

27-44. (Canceled)

45. (Previously presented) An article, comprising:
a substrate; and
a marking composition on the substrate, the composition comprising
a polymer first material comprising silicon;
a second material capable of extending polymeric chains of the first material; and
a blocked, catalytic crosslinking agent,
wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

46. (Original) The article of claim 45, wherein the blocked crosslinking agent comprises a carbamate.

47. (Canceled)

48. (Canceled)

49. (Previously presented) An article, comprising:
a substrate; and
a marking composition on the substrate, the composition comprising

a polymer first material comprising silicon;
a second material capable of extending polymeric chains of the first material; and
an optical tag,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

50. (Canceled)

51. (Canceled)

52. (Previously presented) The composition of claim 11, wherein the second material is capable of crosslinking with the first material.

53. (Previously presented) The composition of claim 11, wherein the second material comprises a polyol.

54. (Previously presented) The composition of claim 11, wherein the second material is selected from a group consisting of a diol and a triol.

55. (Previously presented) The composition of claim 11, wherein the first material comprises a silicone resin.

56. (Previously presented) The composition of claim 11, wherein the first material comprises a combined aromatic and aliphatic substituted silicone resin.

57. (Previously presented) The composition of claim 11, wherein the first material comprises a phenyl methyl silicone resin.

58. (Canceled)

59. (Previously presented) The composition of claim 11, further comprising a catalyst.

60. (Previously presented) The composition of claim 59, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst and a Lewis acid.

61. (Previously presented) The composition of claim 15, wherein the second material is capable of crosslinking with the first material.

62. (Previously presented) The composition of claim 15, wherein the second material comprises a polyol.

63. (Previously presented) The composition of claim 15, wherein the second material is selected from a group consisting of a diol and a triol.

64. (Previously presented) The composition of claim 15, wherein the first material comprises a silicone resin.

65. (Previously presented) The composition of claim 15, wherein the first material comprises a combined aromatic and aliphatic substituted silicone resin.

66. (Previously presented) The composition of claim 15, wherein the first material comprises a phenyl methyl silicone resin.

67. (Canceled)

68. (Previously presented) The composition of claim 15, further comprising a crosslinking agent.

69. (Previously presented) The composition of claim 68, wherein the crosslinking agent comprises a silane.

70. (Previously presented) The composition of claim 15, further comprising a catalyst.

71. (Previously presented) The composition of claim 70, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst, and a Lewis acid.

72. (Previously presented) The composition of claim 45, wherein the second material is capable of crosslinking with the first material.

73. (Previously presented) The composition of claim 45, wherein the second material comprises a polyol.

74. (Previously presented) The composition of claim 45, wherein the second material is selected from a group consisting of a diol and a triol.

75. (Previously presented) The composition of claim 45, wherein the first material comprises a silicone resin.

76. (Previously presented) The composition of claim 45, wherein the first material comprises a combined aromatic and aliphatic substituted silicone resin.

77. (Previously presented) The composition of claim 45, wherein the first material comprises a phenyl methyl silicone resin.

78. (Canceled)

79. (Previously presented) The composition of claim 45 further comprising a catalyst.

80. (Previously presented) The composition of claim 79, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst and a Lewis acid.

81-86. (Canceled)

87. (Previously presented) The composition of claim 15, wherein the optical tag comprises 2,2'-(2,5-thiophenediyl)bis[5-tert-butylbenzoxazole].

88. (Previously presented) The article of claim 49, wherein the optical tag comprises 2,2'-(2,5-thiophenediyl)bis[5-tert-butylbenzoxazole].

89. (Previously presented) The composition of claim 11, wherein the crosslinking agent is capable of deblocking to form an amine.

90. (Previously presented) The composition of claim 11, wherein the crosslinking agent comprises a silane.

91. (Previously presented) The composition of claim 16, wherein the crosslinking agent is capable of deblocking to form an amine.

92. (Previously presented) The composition of claim 16, wherein the crosslinking agent comprises a silane.

93. (Previously presented) The composition of claim 45, wherein the crosslinking agent is capable of deblocking to form an amine.

94. (Previously presented) The composition of claim 45, wherein the crosslinking agent comprises a silane.

95-98. (Canceled)